

CONSTRUCTION VALUE ENGINEERING CONCEPT PROPOSAL
Lions Den Road JEFFERSON COUNTY MISSOURI

Route: Lions Den Road

Original Bid Cost: \$3,345,855.50

By: Mike Grupe

VECP # 11-51

Date: June 21st, 2011

Job No. J612083

Contractor: Fred Weber, Inc.

Phone: (314) 344-0070

Description of existing requirements and proposed change(s). Advantages/Disadvantages

Fred Weber Inc. is proposing to widen the design of Lions Den Road to include a safety slope. Widening Lions Den Road will significantly increase the safety to the traveling public. The profile and pavement of the road will not change. The Advantage of this Value Engineering Concept is that it will increase the width of the road with a safety slope. A widened roadway will reduce the necessity of guardrail and guardrail end treatments. An agreement with property owners requires extending asphalt driveway 80 tons. Other costs of this proposal include extending 42" RCP Pipe 30 feet, remove and re-install 42" T&E 2 each, raise 60" Area Inlets 12 IF, Clearing approximately one acre, grinding cleared material, and increase Rock Ditch Liner 376sf.

Estimate of reduction in construction costs.

The estimated reduction in cost is \$31,430.00

Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

The proposed change should have no adverse effects to the maintenance or life cycle of the proposed areas. No additional costs will be incurred by the department with the acceptance of this proposal.

Anticipated date for submittal of detail change(s) of items required by Section 104.6 of the Specifications.

July 1st, 2011
(Date)

Deadline for issuing a change order, noting the effect of contract completion time or delivery schedule.

July 1, 2011	Excavation is under a critical deadline. Opportunity to be
able to accept this proposal is small due to compressed schedule of road closure.	(Effect)
(Date)	

Dates of any previous of concurrent submissions of the same proposal.

None
(Date &/or dates)

Additional Comments:

For District Use Only

Comments:

The County has reviewed the proposal and recommends approval of the changes. *mm*

William K. Kephau
Submitted By Resident Engineer

6-27-11
Date

Comments:

☒ Approval Recommended

☐ Rejection Recommended

E. Shing
District Engineer

7/26/11
Date

Comments:

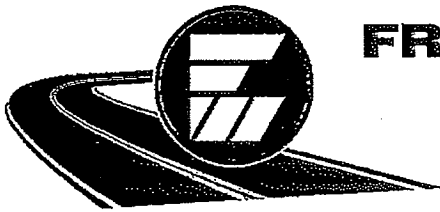
☒ Approval Recommended

☐ Rejection Recommended

David D. Morris
Division Engineer, Construction

Date

Digitally signed by Ronald Morris
DN: cn=Ronald Morris, o=MoDOT, ou=3H35,
email=Ronald.Morris@modot.mo.gov, c=US
Date: 2011.08.16 07:41:34 -05'00'



FRED WEBER INC.

June 6th, 2011

Agreement with Mr. and Mrs. Robert Healy for placing fill material.

Fred Weber would like to widen Lions Den Road. A widened road will reduce the amount a guardrail required and balance the excavation material. The portion of road that will be changed from design will be the safety zone outside of the shoulders. A safety zone allows the slope outside the shoulders to be reduced to 4:1. The adjustments allowing the safety zone requires widening the fill beyond what MODOT and Jefferson County acquired as Right-of-Way.

Fred Weber has requested that Mr. and Mrs. Robert Healy allow fill material be placed as part of the slope to the new road. The section of road we are requesting fill material be placed is from station 12+00 to 19+50. Work required to place fill material will included clearing existing trees. Estimated area of land to be disturbed is approximately one acre. The agreement is to include maintenance of the additional slope area by MODOT or Jefferson County. The property is to remain Mr. and Mrs. Robert Healy's.

Fred Weber has agreed to provide survey and construction of minor ditching to fields behind the residence of Mr. and Mrs. Robert Healy. The purpose of ditching is to allow water to drain to the creek.

Fred Weber has agreed to place three inches of asphalt to the driveway and in front of garage. Asphalt will be same materials as used on Lions Den Road.

Mike Grupe

Sr. Project Mgr.

Fred Weber, Inc.

Mr. Robert Healy

Mrs. Gloria Healy

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☐ Paving (PCCP, ect.)
- ☒ Grading/MSE Walls
- ☐ Signal/Lighting/TTS
- ☐ Misc

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

The contractor will be widening the slope of the roadway which allows them to eliminate guardrail.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.
